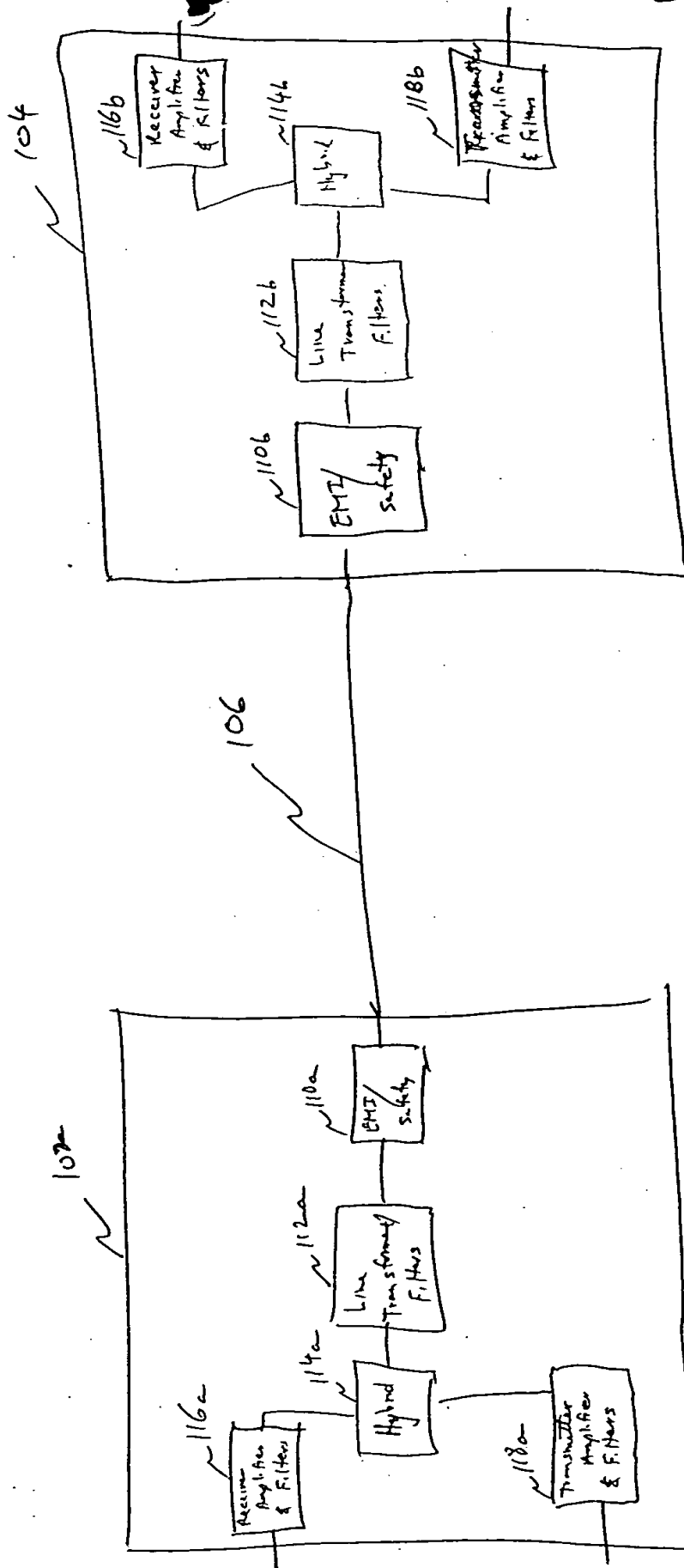


100



ATU-R

(Customer Premise Equipment - CPE)

ATU-C

(central office - CO)

Fig. 1 (Prior Art)

A hand-drawn spectral plot showing Amplitude vs. bin number. The y-axis is labeled "Amplitude" and "dBm / Hz". The x-axis is labeled "bin number". The plot shows two signals:  $T_x$  (Transmit) and  $R_x$  (Receive). The  $T_x$  signal is represented by a shaded area with a peak at bin 29. The  $R_x$  signal is represented by an unshaded area with a peak at bin 127. The SNR (Signal-to-Noise Ratio) is indicated by the difference in amplitude between the  $T_x$  and  $R_x$  signals at bin 37. The plot also shows a noise floor at bin 120.

Fig. 2 (prior art)

00515144-030100

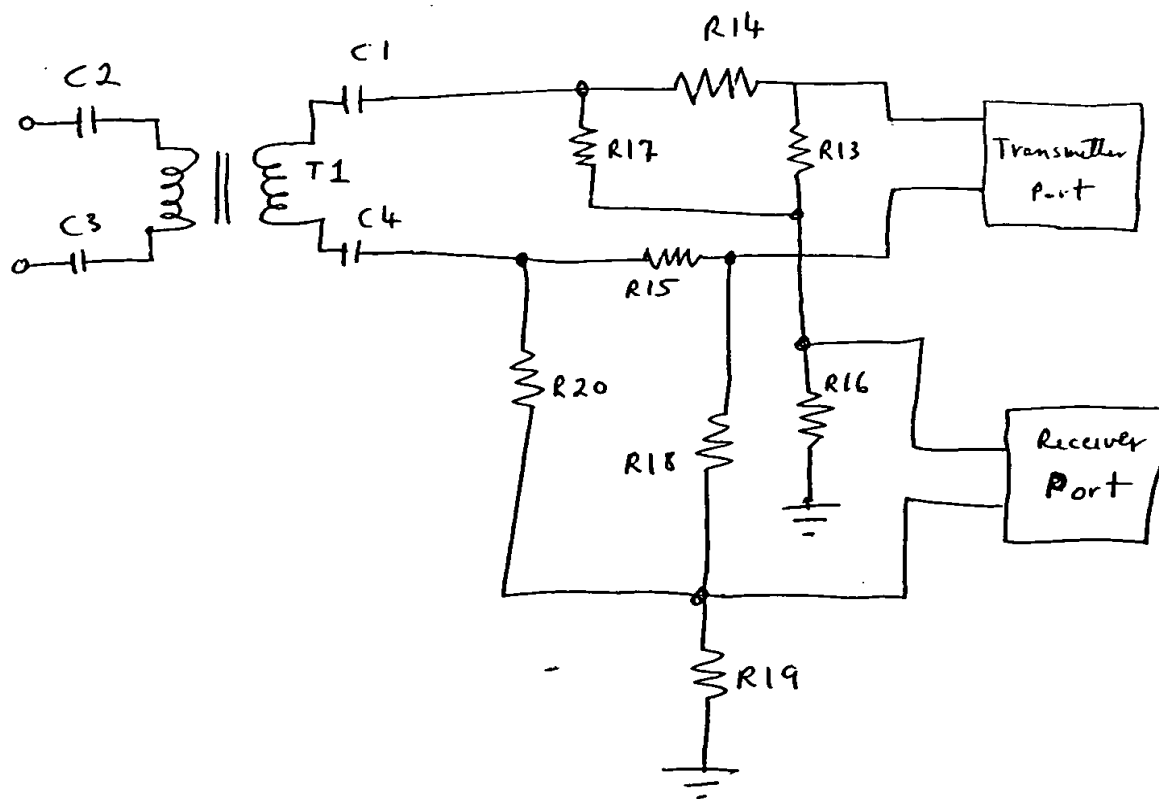


Fig. 3 (prior Art)

001000" 44491560

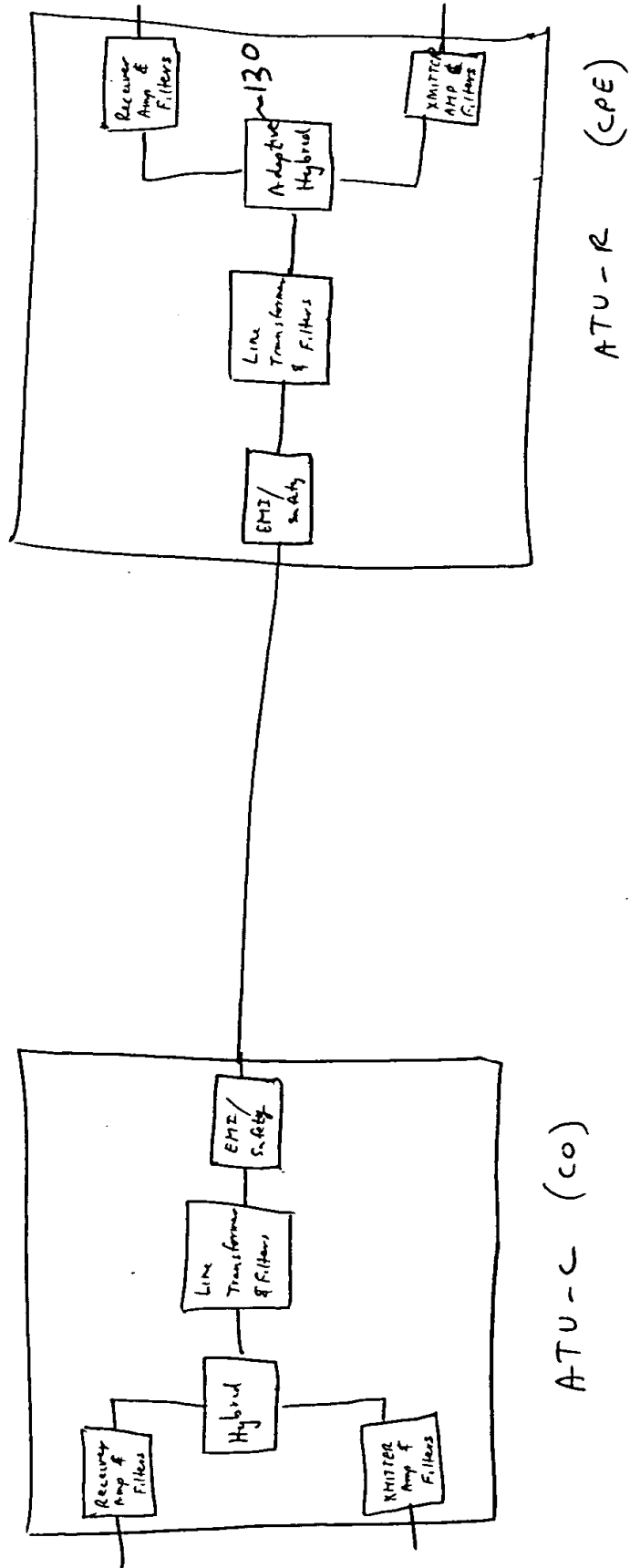


Fig. 4

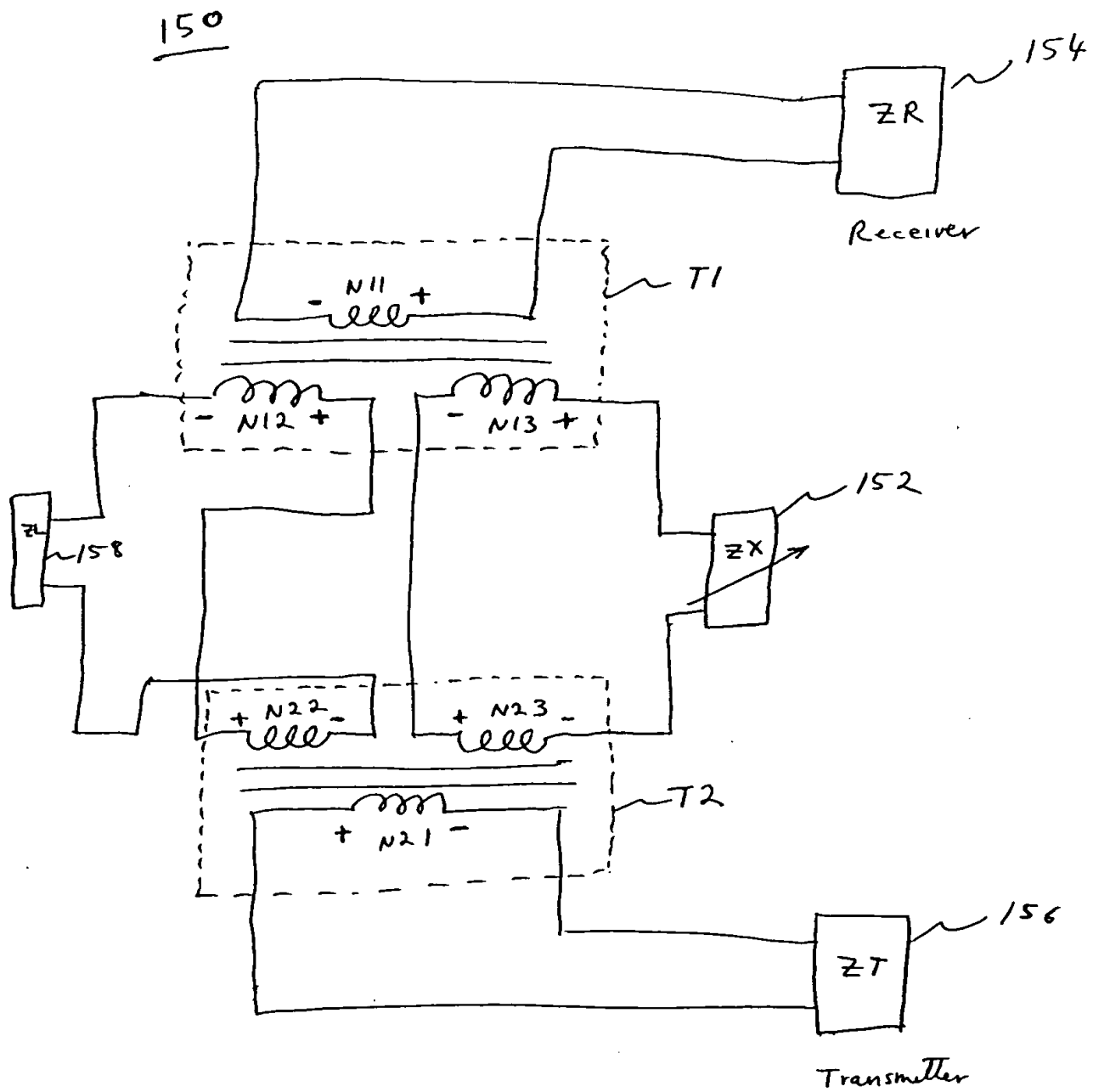


Fig. 5

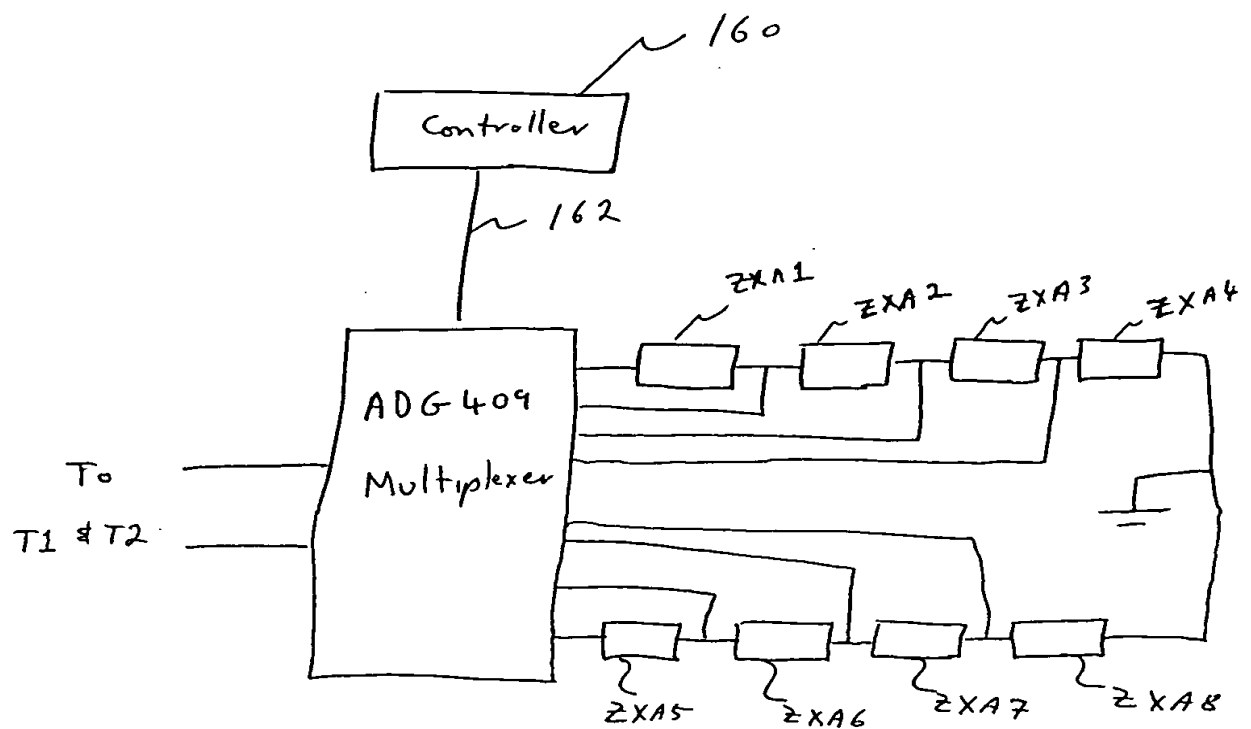


Fig. 6

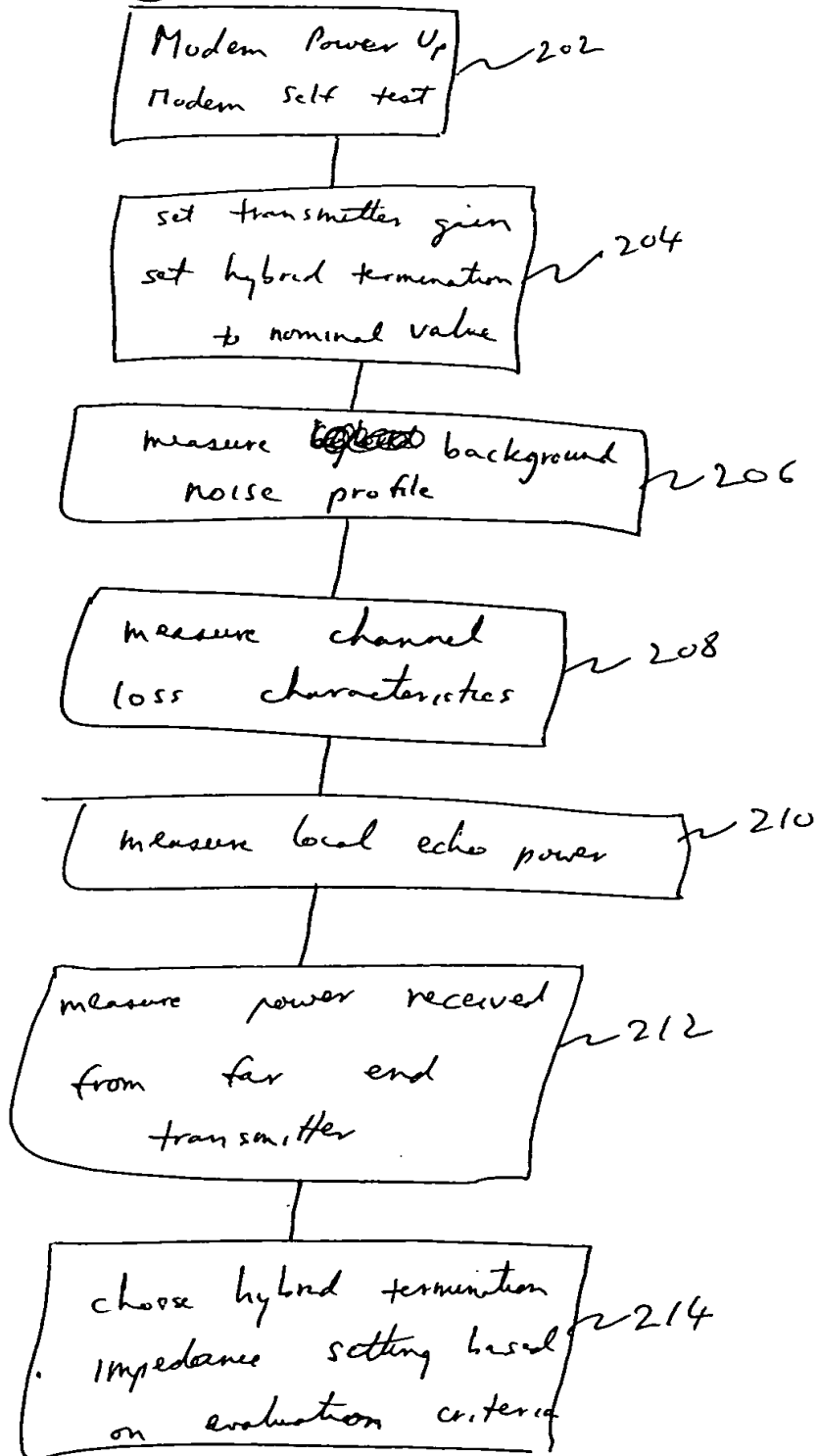


Fig. 7

~ 250.

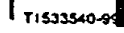


Fig. 8